

THE CHINESE UNIVERSITY OF HONG KONG
DEPARTMENT OF MATHEMATICS

MATH1520C University Mathematics for Applications 2014-2015
Assignment 3

- Due date: 12 Mar, 2015 (before 17:00)
- Remember to write down your name and student number
- Please work on ALL questions below

Questions from the textbook:

Exercise 5.2: 29, 35

Exercise 6.1: 3, 5, 13

1. Evaluate the following indefinite integrals:

(a) $\int \frac{x^2 - 5x + 3}{x - 3} dx$

(b) $\int \frac{3x + 2}{x^2 - 9} dx$